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Slotting Machine Bar.

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I have sent to you a drawing of a slotting machine bar as made by me. In the drawing the bar is marked *C*; its lower end is formed so as to allow a rectangular slot to be cut through it. In this slot is placed the tool holder *F*, which works on the pivot *B*. In this holder the tool *A* is secured by means of the set screws *E E*, the heads of which project into the slot *D* cut in the end of the bar *C*. The object of this design of slotting machine bar—as will be readily seen—is to relieve the tool *A* of the pressure against the work on its return or upward motion, which is accomplished by the tool holder *A* rotating slightly around the pivot *B* at the commencement of the upward stroke, and when completed the tool is at once pressed into its correct position for cutting by the spring *G* and holding it in readiness for the downward movement of the bar. Similar letters in the different views represent the same piece of mechanism, otherwise I believe a further description is unnecessary, as the drawing will explain itself.

A. S. Bergh.

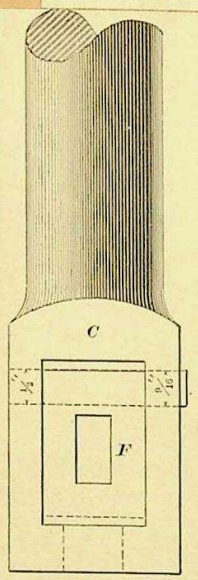

Fig. 1.

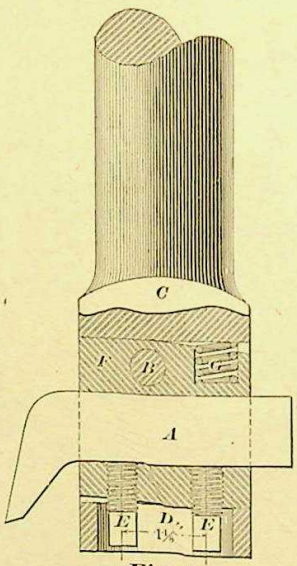

Fig. 2.

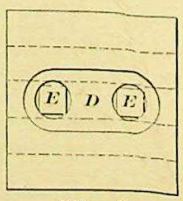

Fig. 3.

Slotting Machine Bar.